

WHAT IS CLAIMED IS:

- 1        1.        A joystick, comprising:
  - 2                an operating member, which has shaft portions
  - 3                respectively protruded from both side faces thereof;
  - 4                an upper rotary member, which supports the operating
  - 5                member so as to be pivotable in a first direction;
  - 6                a lower rotary member, which supports the operating
  - 7                member so as to be pivotable in a second direction perpendicular
  - 8                to the first direction; and
  - 9                an urging member, which urges the lower rotary member
  - 10               and the upper rotary member so that the operating member is
  - 11               situated at a neutral position thereof,
  - 12               wherein the lower rotary member has an elongated hole
  - 13               through which the operating member is passed, and the elongated
  - 14               hole extended in the first direction;
  - 15               wherein the shaft portions are rotatably engaged in shaft
  - 16               holes which are formed in side walls of the elongated hole;
  - 17               wherein expansion parts are formed on the operating
  - 18               member so as to expand within the elongated hole in the first
  - 19               direction; and
  - 20               wherein the operating member rotates through the shaft
  - 21               portions so that both side faces of each expansion part slide
  - 22               along both inner wall faces of the elongated hole.

1       2.     The joystick as set forth in claim 1, wherein the expansion  
2     parts are extended until a range corresponding to a length of  
3     the elongated hole in the first direction.

1       3.     The joystick as set forth in claim 1, wherein the expansion  
2     parts have flat portions at shaft portion sides respectively;  
3         wherein the flat portions are continuous and flush with  
4     the side faces having the shaft portions of the operating member  
5     respectively;  
6         wherein the flat portions and the side faces of the  
7     operating member form flat parts at the shaft portion sides  
8     respectively; and  
9         wherein the shaft portions are respectively provided  
10    on substantially center parts of the flat parts.

1       4.     The joystick as set forth in claim 1, wherein outer end  
2     faces of the expansion parts are respectively formed in a curved  
3     shape.